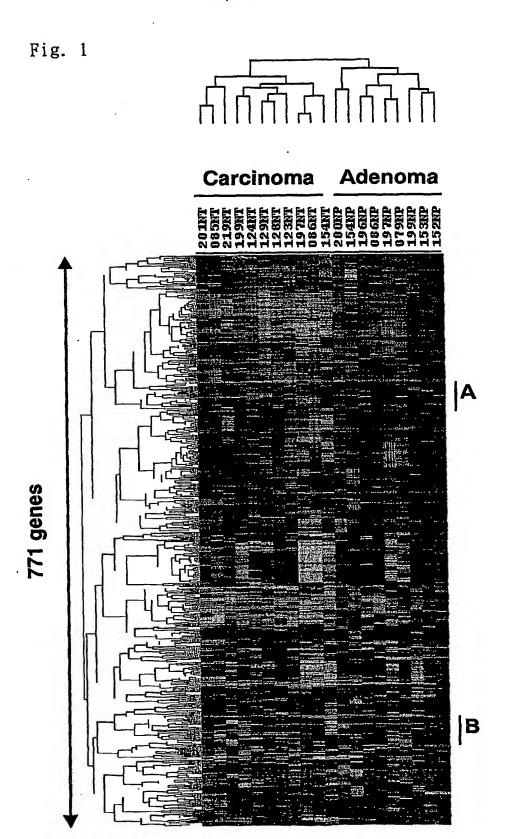
PCT/JP2002/012760

WO 2004/001072

1/6



2	/	6
~	/	v

									,	2/	6		<del></del>								
(Cy3/Oy5/2), K, n=20	\$	용	86	æ	88	8	8	8	8	8	8	æ	88	\$8	8	8	98	88	88	8	2
(Cy3/Oy5)ave	1296	12.89	973	f(3)	(2)	347	296	373	7	<b>43</b> f	443	521	46	402	338	324	707	317	346	293	786
FUNCTION	cell adhesion/cytoskeleton	cell adhesion/cytoskeleton	immune response	signal transduction	signal transduction	RNA/protein processing	RNA/protein processing	RNA/protein processing	RNA/protein processing	signal transduction	unknown	RVA/protein processing	RVA/protein processing	unknown	cell cycle	cell cycle	and Y oncogene	RNA/protein processing	RNA/protein processing	RNA/protein processing	RNA/protein processing
DESCRIPTION	transforming growth factor, beta-induced, 68kD	transforming growth factor, beta-induced, 69kD	Interferon induced transmembrane protein 2 (1-90)	(2081 antigen (target of antiproliferative antibody 1)	(eukemia-associated phosphoprotein p18 (stathmin)	chaperonin containing TCPI, subunit 7 (eta)	heat shock 90kD protein 1, beta	poly/Al-binding protein, cytoplasmic 1	ribosomal protein L30	macrophage myristoylated alanine-rich Ckinase substrate	Innothetical protein FL/20315	ribosonal protein S3	ribosomal protein S4, X-finked	heterochromatin-like protein 1	RAN member RAS oncogene family	RAN, member RAS oncogene family	high-mobility group (norhistone chromosomal) protein isoforms I and Y (oncogene	heat shock 90kD protein 1, beta	heat shock 90kD grotein 1, beta	mitochondrial ribosomal protein L3	poly(A)-binding protein, cytoplasmic 1
岩	霆	遥	置	竇	霻		25 25 25 25	2886	25	MOMPROS	FLIBES	<b>E</b>	菱	鞷	<b>2</b>	臺	À E	<b>8</b>	<b>经</b>	2	<b>288</b>
11 11 MOSESSIGNES.	SKELLIN	MT7349	XS7351	M33680	XECOLE	AF026292	03991X	AA65440	AA316619	AA149559	NJ652	XST15	M58458	AAOKESO	M7268	AFDS2578	E	999	M16660	X06323	201890
								1													

#### 2/1/6

						_	_			_	1/					<del></del>			
æ	8	88	æ	88	K	79	75	85	<b>1</b> 3	55	72	72	72	ĸ	72	35	2	2	2
4.22	32	323	15'9	3.12	3.9	4,08	3.12	378	3.82	3.1	97	6-3	97	274	296	333	171	3.19	281
RNA/protein processing	RNA/protein processing	transcription regulation	tumor associated	unknown	cell growth	oncogene	RNA/protein processing	RNA/protein processing	RNA/protein processing	NWV protein processing	(RNA/protein processing	RNA/protein processing	RNA/protein processing	RNA/protein processing	unknown	unknovan	bioenergetics	cell cycle	cell growth
rbosomal protein Si	cDNA coding for human polypeptide chain elongation factor-1 alpha	high-mobility group (nonhistone chromosomal) protein 1	lactate dehydrogenase B	छाइ	orithine decarboxylase 1	high-mobility group (northistone chromosomal) protein isoforms I and Y	leukaryotic translation ebngation factor 1 alpha 1	eukaryotic translation initiation factor 3, subunit 6 (4840)	eukaryotic translation initiation factor 3, subunit 6 (4814)	heat shock 90kO protein 1, beta	heat shock 60kD protein 1 (chaperonin)	Inucleolar protein family A, member 2 (H/ACA small nucleolar RNPs)	Inbosomal protein S27a	Indossomal protein S3	l njoko	hypothetical protein HDCMO04P	voltage-dependent arion channel 1	ubiquitur-conjugating enzyme E2I (homologous to yeast UBC9)	IMP (inosine monophosphate) dehydrogenase 2
RPSS		HANGI	署	ESI\$	1300	HIGH	EFIAI	EFSS	EFSS	157CB	<u>e</u>	NOLAZ	RP527A	RPSS	185	<b>2000</b>	1980	1238	MPDHZ
S42658	E02628	18890	111007	AUTHERS	M16650	1173 1173	ATOGGGG	R61297	U62362	099JRI	1822H	AD07287	S79522	AA602204	AEBOOOCA	Rights	709137	85895 85895	902405
松浦																			
A many of the state of the stat					10 m							, and a second							
	The state of the s	The state of the s				The state of the s	The state of the s		The state of the s				The state of the s		A Company of the Comp				

PCT/JP2002/012760

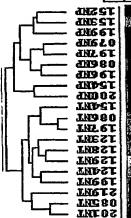
### 2/2/6

	3	Ħ	(DEK oncogene (DNA binding)	oncogene	3.13	N
2.11	AAGTEGES	Ē	nucleophosmin (nucleolar phosphoprotein B23, numatrin)	оисоделе	503	N
	195710	量	nbosonal protein L6	RNA/protein processing	3.46	01
	25693	<b>2</b>	ribosomal protein L9	RNA/protein processing	37	OL.
	MT724	2	nibosonal protein SJA	RNA/protein processing	325	01
	A4916688	霊	butwate response factor 1 (EGF-response factor 1)	signal transduction	281	Q.
	AA714394		(high-mobility group (nonhistone chromosomal) protein 2	transcription regulation	424	2
	AA579959	SZAS	cytochome PS40 family member predicted from ESTs	unknown	403	Q.
	ALS82493	153	EST	นทร์ตองภา	328	Q.
		S	catherin 3 type 1, P-catherin (placental)	cell adhesion/cytoskeleton	359	₩
		臺	heterogeneous nuclear ribonucleoprotein A1	RNA/protein processing	372	88
	907TX	£	nbosomal protein S2	RNV/protein processing	3.96	<b>&amp;</b>
A CONTRACTOR OF THE PARTY OF TH	80023	<b>E</b>	tubulin, abha, ubiquitous	cell adhesion/cytoskeleton	309	æ
	087665	25 25 25	heat shock SUIO protein 1, alpha	RNA/protein processing	131	00
	DIASSI	<b>2</b>	inbosomal protein 1.9	RNA/protein processing	299	99
	OLION SE	2	prostate differentiation factor	signal transduction	172	8
		2	pancreatitis-associated protein	cell adhesion/cytoskeleton	10:01	æ
	25.68 26.68	<b>2</b>	tubulin, beta pokweptide	cell adhesion/cytoskeleton	967	æ
Total	X73460	즱	nbosomal protein L3	RNA/protein processing	238	æ
	1465954	<b>E</b>	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform	n tumor associated	17.7	æ
	1921(38)	SCOS	solute carrier family 29 (nucleoside transporters), member 1	tumor associated	67)	**
		叠	153-indiced arotein PICPC1	пногил	729	æ

3/6

33 35 1 1 2 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	ACCESSION No. IGENE		DESCRIPTION	FUNCTION
PSMD7 TFRC EF222 HSPA8 TCP1 COL1A2 C200RF3 TCEA1 TOP1 TOP1 TOP1 TOP1 TOP1 TOP1 TOP1 TOP	08856 PC4		activated RNA polymerase II transcription cofactor 4	RNA/protein processing
PSMD7 TFRC EF2S2 HSPA8 TCP1 CQUORF3 TCEA1 TOP1 TOP1 TOP1 TOP1 TOP1 TOP1 TOP1 TOP	112510		ESTs	unknown
TFRC EF2S2 HSPA8 TCP1 COL1A2 C200RF3 TCEA1 TOP1 TOP1 TOP1 TOP1 TOP1 TOP1 TOP1 TOP			proteasome (prosome, macropain) 26S subunit, non-ATPase, 7	bioenergetics
HSPA8 HSPA8 TCP1 COL1A2 C200RF3 TCEA1 TOP1 TOP1 TOP1 TOP1 TOP1 TOP1 TOP1 TOP			transferrin receptor (p90, CD71)	
HSPA8 TCP1 COL1A2 C200RF3 TCEA1 TOP1 LDHA PGK1 PGK1 HTATSF1 LOC51765 APPBP1 PR02463 VDAC3 VDAC3			eukaryotic translation initiation factor 2, subunit 2 (beta, 38kD.)	RNA/protein processing
10P1 36 C200RF3 10 TCEA1 10P1 10P1 10P1 10PHA 06 PSMB8 PGK1 10HA 10HA 10HA 10HA 10HA 10HA 10HA 10H			heat shock 70kD protein 8	RNA/protein processing
COLIA2 C200RF3 TCEA1 TOP1 LDHA PGK1 PGK1 PGK1 HTATSF1 LOC51765 APPBP1 PR02463 VDAC3		_	t-complex 1	RNA/protein processing
C200RF3 TCEA1 TOP1 TOP1 LDHA PSMB8 PGK1 PGK1 LDHA PGK1 LDHA PGK1 PGK1 PGK1 PGK1 PGK1 PGK1 PGK1 PGK1			collagen, type I, alpha 2	cell adhesion / cytoskeleton
TCEA1 TOP1 TOP1 TOP1 LDHA 06 PSMB8 PGK1 LDHA LDHA PGK1 24 HTATSF1 22 LOC51765 52 APPBP1 88 PR02463 69 VDAC3			chromosome 20open reading frame 3	unknown
TOP1  LDHA PSMB8 PGK1 LDHA LDHA LDHA LOC51765 APPBP1 PR02463 VDAC3		.A.	transcription elongation factor A (SII), 1	RNA/protein processing
LDHA PSMB8 PGK1 LDHA LDHA PGK1 HTATSF1 LOC51765 APPBP1 PR02463 VDAC3			topoisomerase (DNA) I	
PSMB8 PGK1 LDHA LDHA HTATSF1 LOC51765 APPBP1 PR02463 VDAC3		≰	lactate dehydrogenase A	bioenergetics
PGK1 PGK1 LDHA PGK1 HTATSF1 LOC51765 APPBP1 PR02463 VDAC3		88	proteasome (prosome, macropain) subunit, beta type, 8	bioenergetics
LDHA LDHA PGK1 HTATSF1 LOC51765 APPBP1 PR02463 VDAC3			phosphoglycerate kinase 1	bioenergetics
LDHA PGK1 HTATSF1 LOC51765 APPBP1 PR02463 VDAC3		(1	phosphoglycerate kinase 1	bioenergetics
PGK1 HTATSF1 LOC51765 APPBP1 PR02463 VDAC3		₩	lactate dehydrogenase A	bioenergetics
HTATSF1 LOC51765 APPBP1 PR02463 VDAC3		(1	phosphogycerate kinase 1	bioenergetics
LOCS1765 APPBP1 PR02463 VDAC3		1TSF1	HIV TAT specific factor 1	RNA/protein processing
APPBP1 PR02463 VDAC3 VDAC3		351765	serine/threonine protein kinase MASK	nıknown
PR02463 VDAC3 VDAC3		쯢	amyloid beta precursor protein-binding protein 1, 59kD	unknown
VDAC3 VDAC3		<b>)2463</b>	PRO2463 protein	unknown
VDAC3		ಚ	voltage-dependent anion channel 3	bioenergetics
		S	voltage-dependent anion channel 3	bioenergetics
U34683 GSS glutathione synthetase		S	glutathione synthetase	bioenergetics



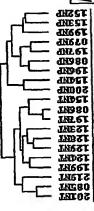


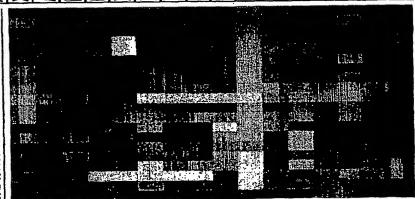


PCT/JP2002/012760

3/1/6

ACCESSION No. IGENE		DESCRIPTION	FUNCTION
X53463	<b>GPX</b>	gutathione peroxidase 2 (gastrointestinal)	bioenergetics
AA502642	穒	peptidylprolyl isomerase A (cyclophilin A)	bioenergetics
109235	ATPGA	ATPase, H+ transporting, lysosomal (vacuolar proton pump), alpha polypeptide	bioenergetics
M33197	GAPO	gyceraldehyde-3-phosphate dehydrogenase	bioenergetics
X70649	ĕ	DEAD/H (Asy-City-Ala-Asp/His) box polypeptide 1	cell growth
CATEOX	<b>E</b>	ATPase, Na+/K+ transporting beta 1 polypeptide	bioenergetics
X03747	<b>E</b>	ATPase, Na+/K+ transporting beta 1 polyneptide	bioenergetics
AA421248		Homo sapiens P1725 mPAVA, complete cds	unknown
AF040260	S	GDP-mannose 4,6-dehydratase	bioenergetics
AA316525		ESTs, Weakly similar to LITB HUMAN LITHOSTATHINE I BETA PRECURSOR	unknown
142176	呈	four and a half LIM domains 2	signal transduction
AA346311	<b>2</b>	retinaic acid induced 3	signal transduction
Y13620	<u>a</u>	B-cell CLL/lymphoma 9	unknown
AF070616	<b>F</b>	hippocalcin-like 1	unknown
A1040592		Homo sapiens cONA: FLJ22604 fis, clone HSI04630	unknown
AA421681	No.	capain 4, small subunit (30K)	protease





PCT/JP2002/012760

3/2/6

	V11354	TAF2C1	TATA box binding crotein (TBP)-associated factor, RNA polymerase II, C1, 130kD	RNA/protein processing
	M58459	RPSAY	nbosomal protein S4, V-linked	RNA/protein processing
4	AB007510	<u>e</u>	US snRNP-specific protein (220 kD), ortholog of S. cerevisiae Prp8p	RNA/protein processing
	01470	ATP5A1	ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit, isoform 1	bioenergetics
	000000	夏	aldehyde dehydrogenase 1, soluble	bioenergetics
	15000	ANXA2	arnexin A2	bioenergetics
	00000	ACE:	aldehyde dehydrogenase 1, soluble	bioenergetics
	AA910550		left-right determination, factor B	signal transduction
	X53586	TIGAG	integrin, alpha 6	cell adhesion / cytoskeleton
	X55543	曼	X-box binding protein 1	transcription factor
	Af188196	USP22	ubiquitin specific protease 22	unknown
	UI8f2i	ADAR	adenosine deaminase, RNA-specific	bioenergetics
	L13210	<b>LGALS3BP</b>	LGALS3BP (lectin, galactoside-tinding, soluble, 3 binding protein (galectin 6 binding protein)	immune

PCT/JP2002/012760

WO 2004/001072

4/6

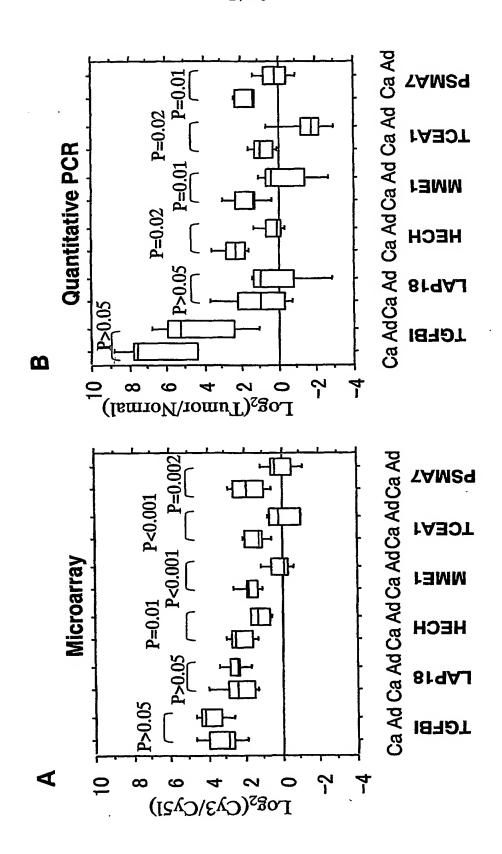


Fig.

PCT/JP2002/012760

5/6

	ACCESSION No. IGENE	GENE	DESCRIPTION	FUNCTION	م	SIGN
	A977821	COL1A1	collagen, type I alpha 1	cell adhesion/cytoskeleton	(0.001	-
	NW 016587	CBX3	chromobox homolog 3	unknown	10.0	-
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	2,0071	GTF3A	general transcription factor IIIA	transcription regulation	0.002	-
	103250	<u>10</u>	(topoisomerase (DNA) I	transcription regulation	0.003	-
	M81601	TCEAI	transcription elongation factor A (SII), 1	transcription regulation	(0.00) (0.00)	-
	X02152	EHA EHA	lactate dehydrogenase A	bioenergetics	<u>100</u>	-
	AA148874	PGAMI	phosphogycerate mutase 1 (brain)	bioenergetics	(0.001	-
	A1017668	NDUFS6	NADH dehydrogenase (ubiquinone) Fe-S protein 6	bioenergetics	(0.001	-
	X17620	NMET	non-metastatic cells 1, protein (NM23A) expressed in	tumor associated	(0.001	-
	U38846	CCT4	chaperonin containing TCP1, subunit 4 (delta)	RNA/protein processing	1000	-
3	M94083	CCTGA	chaperonin containing TCP1, subunit 6A (zeta 1)	RNA/protein processing	000	-
The state of the s	X52882 ·	1951	t-complex 1	RNA/protein processing	(0.001	-
	M29536	EF2S2	eukaryotic translation initiation factor 2, subunit 2	RNA/protein processing	(0.001	_
	J03464	COLIA2	collagen, type I, alpha 2	cell adhesion/cytoskeleton	9	-
	AA576779	금	RNA-binding protein regulatory subunit	oncogene	8	-
	AF022815	PSMA7	proteasome (prosome, macropain) subunit, alpha type, 7	unknown	<b>20</b> 0	-
	M61831	AHC.	S-adenosylhomocysteine hydrolase	bioenergetics	3	-
The state of the s	U55206	죵	gamma-glutamyl hydrolase	bioenergetics	0.002	-
	AARIA A					

4

Der'd PCT/F

PCT/JP2002/012760

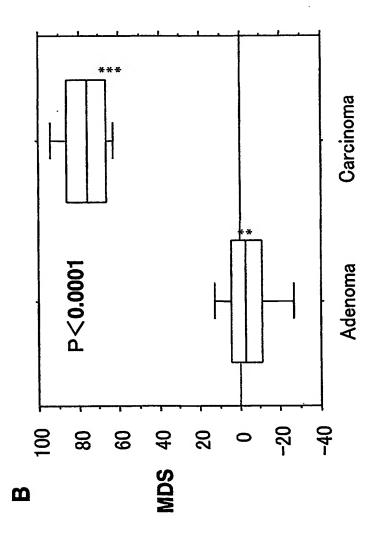
5/1/6

<b>-</b>	-	-	-1	-1	-1	-	-1	-1	-1	-1	-1	-1	-1	-	-	-	-	<b>—</b>	-	-	-	<b>-</b>	丁	┰	<del>-</del>	〒	Ť	T	<b>—</b>	┰	-
8	0.004	0.002	<0.001	<0.001	0.003	0.002	<0.001	0.001	0.002	0.002	(0.001	0.001	0.008	0.01	(0.001	(0.001	<0.001	(0.00	(0.001	(0.001	(0.001	(0.001	<u>(0.00</u>	(0.00	0.001	100	(000)	(0.001	0.005	0.003	0.005
immune response	transcription regulation	unknown	cell adhesion/cytoskeleton	tumor associated	bioenergetics	bioenergetics	bioenergetics	unknown	unknown	unknown	signal transduction	unknown	bioenergetics	urknown	unknown	unknown	unknown	unknown	cell adhesion/cytoskeleton	immune response	unknown	signal transduction	signal transduction	RNA/protein processing	unknown	transcription regulation	bioenergetics	bioenergetics	unknown	bioenergetics	signal transduction
immunostobulin lambda-like polypeptide 2	X-box binding protein 1	trinucleotide repeat containing 3	integrin, alpha 6	amplified in osteosarcoma	alcohol dehydrogenase 3 (class I), gamma polypeptide	alcohol dehydrogenase 1 (class I), alpha polypeptide	UDP glycosyltransferase I family, polypeptide A1	trefoil factor 3 (intestinal)	GABA(A) receptor-associated protein	tetraspan 1	four and a half LIM domains 2	hypothetical protein	CDP-diacylglycerol synthase	protease, serine, 23	integral membrane protein 2C	KIAA0826 protein	hypothetical protein FLJ20163	ESTs	mucin 2, intestinal/tracheal	Fo fragment of IgG binding protein	Kinesin 13B	enhancer of filamentation 1	protein tyrosine phosphatase, receptor type, F	RNA binding motif protein, X chromosome	ESTs	KRAB-associated protein 1	beta,4 mannosyltransferase	phospholipase D2	sequestosome 1	enoyl Coenzyme A hydratase, short chain, 1	left-right determination, factor B
10117	曼	TNRC3	ПGA6	6-S0	ADHS	ADH.	UGTIAI	TEE	GABARAP	TSPANI	阳	L0C51323	COST	SPUVE	TM2C	KIAA0826	FL/20163	ESTS	MUC2	FGBP BP	KF138	至	PTPRF	RBMX	ESTs	TF18	HWAT	200	SOSTMI	ECHSI	EFTB
1 02326	X55543	1000	X53586	U41635	X04299	M12963	M57899	L15203	N34138	AF065388		AA665097	060808	AA447849	AA226073		AA443786	AA532514	AA327452	AA573905	AA393152	A1338165		AU149434	AA531016	A1190293	AA256650	AF038440	A1340150		AA910550
			The second secon	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																				The state of the s	<b>在</b>		K to a	The state of the s			

PCT/JP2002/012760

**WO 2004/001072** 

6/6



# This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record.

### **BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

BLACK BORDERS

IMAGE CUT OFF AT TOP, BOTTOM OR SIDES

FADED TEXT OR DRAWING

BLURRED OR ILLEGIBLE TEXT OR DRAWING

SKEWED/SLANTED IMAGES

COLOR OR BLACK AND WHITE PHOTOGRAPHS

GRAY SCALE DOCUMENTS

LINES OR MARKS ON ORIGINAL DOCUMENT

REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY

## IMAGES ARE BEST AVAILABLE COPY.

☐ OTHER:

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.